ST-8ES1N8A8004 - Cable connector

1613621

https://www.phoenixcontact.com/us/products/1613621

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CRIMP



The figure shows the 4-pos. (3+PE) product version

Cable connector, application: Power, straight, Screw locking mechanism, M17, number of positions: 5+3+PE, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 8 mm ... 10 mm, number of positions: 9, connection method: Crimp connection, series: ST, This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1629017

Your advantages

- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly
- Flexible use: reliably connect various cable diameters
- Molded designs with preassembled cables on one or both sides

Commercial data

Item number	1613621
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB32
Product key	ABRBEA
GTIN	4046356442312
Weight per piece (including packing)	72.9 g
Weight per piece (excluding packing)	60.772 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts 5 x 0.6 mm, 4 x Ø 1 mm separately

Safety note

Safety note	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	• Assembled products may not be manipulated or improperly opened.
	• When using the product in direct connection with third-party manufacturers, the user is responsible.
	• Ensure that the protective or functional ground has been properly connected.
	• Only use tools recommended by Phoenix Contact
	• Operate the connector only when it is fully plugged in and interlocked.
	• Observe the minimum bending radius of the cable. Lay the cable without twisting it.

Product properties

Product type	Circular connector (cable-side)
Series	ST
Application	Power
Number of positions	9
Connection profile	5+3+PE
Shielded	yes
Coding	N
Thread type	M17

Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Seal	FPM
Seal material	FPM

Connection data

Conductor connection

Connection method	Crimp connection

Electrical properties

Contact: Contact group 1

Nominal current I_N	14 A
Nominal voltage U_N	630 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	6 kV

Contact: Contact group 2

Nominal current I_N	3.6 A
Nominal voltage U_N	60 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Connector

Type	straight
Direction of rotation	Standard

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M17

Cable/line

External cable diameter	8 mm ... 10 mm

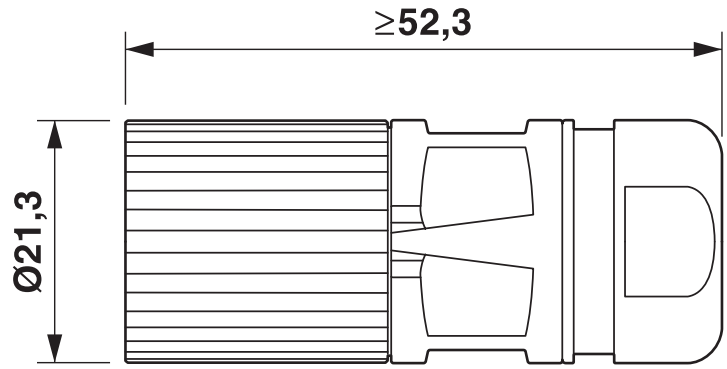
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

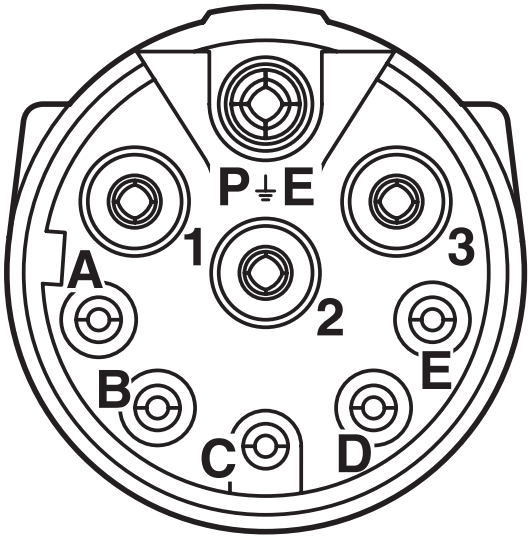
Drawings

Dimensional drawing



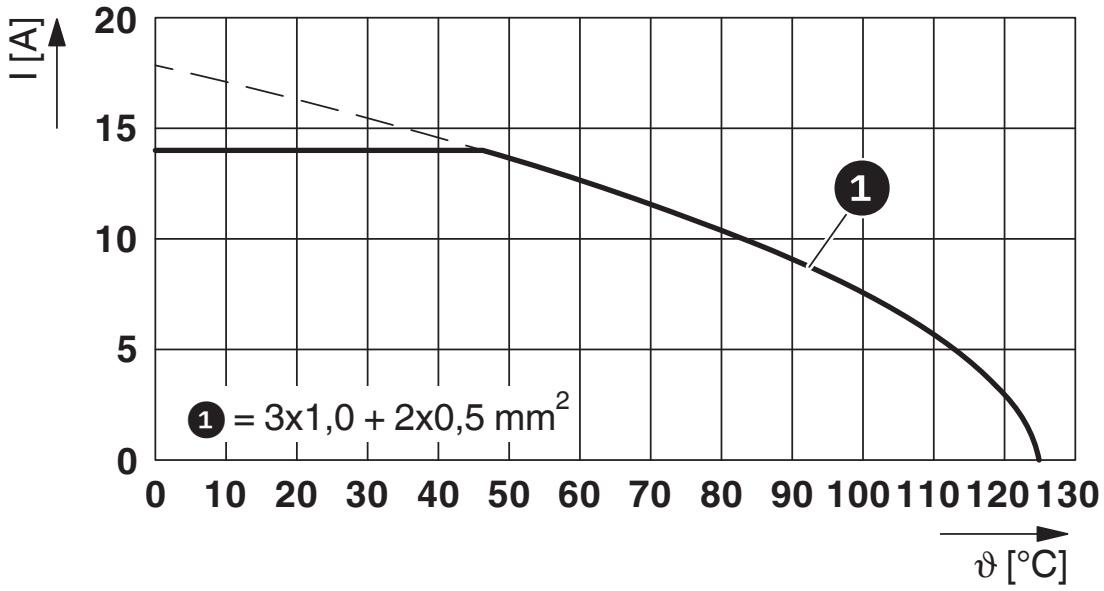
Technical drawings can be found under Downloads

Schematic diagram



Connector pin assignment

Diagram



I = current strength, ϑ = ambient temperature, 3x 14 A + 2x 2 A constant

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1613621

UL Recognized
Approval ID: E153698-20140124

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

cUL Recognized
Approval ID: E153698-20140124

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

cUL Recognized
Approval ID: E335019-20111129

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

UL Recognized
Approval ID: E335019-20111129

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	3.5 A	-	-
Signal	60 V	3.5 A	-	-

UL Listed
Approval ID: E468743-20210825

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	10 A	18	18
Signal	60 V	2 A	20	20

cUL Listed
Approval ID: E468743-20210825

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Power	600 V	8 A	18	-
Signal	60 V	2 A	20	-

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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